

IN THE CLAIMS

The pending claims are as follows:

1. (Previously Presented) An arrangement for reading an information carrier, said arrangement comprising:

a read head for scanning the information carrier along a scanning path and thereby generating one or more electrical signals in response to a pattern recorded along the scanning path;

a signal processing unit for processing the one or more electrical signals; and

electrical conductors for conveying the one or more electrical signals to the signal processing unit,

wherein the arrangement further comprises controllable termination means for terminating at least one electrical conductor with a selectable impedance, the controllable termination means comprising at least two impedances and selecting means for selecting an impedance to terminate the at least one electrical conductor,

wherein the read head performs the scanning by transmitting a radiation beam to the information carrier and receiving a reflected radiation beam from the information carrier,

wherein the arrangement further comprises measuring means for measuring the reflectance of the radiation beam,

and wherein the controllable termination means selects an impedance dependent on the measured reflectance of the radiation beam.

2. (Previously Presented) The arrangement as claimed in claim 1, characterized in that the signal processing unit comprises the controllable termination means.

3. (Previously Presented) The arrangement as claimed in claim 1, characterized in that the controllable termination means is able to terminate two or more electrical conductors with different selectable impedances.

4. (Previously Presented) The arrangement as claimed in claim 1, characterized in that the selectable impedance comprises a characteristic impedance of the electrical conductors.

5. (Previously Presented) The arrangement as claimed in claim 4, characterized in that the controllable termination means selects the characteristic impedance when reading the information carrier at a relatively high speed, and selects a higher impedance when reading the information carrier at a relatively low speed.

6. (Previously Presented) The arrangement as claimed in claim 1, characterized in that one or more of the electrical signals are current outputs and in that the selectable impedance functions as a current to voltage converter.

7. (Cancelled) .

8. (Previously Presented) An arrangement for reading an information carrier, said arrangement comprising:

    a read head for scanning the information carrier along a scanning path and thereby generating one or more electrical signals in response to a pattern recorded along the scanning path;

    a signal processing unit for processing the one or more electrical signals; and

    electrical conductors for conveying the one or more electrical signals to the signal processing unit,

    wherein the arrangement further comprises controllable termination means for terminating at least one electrical conductor with a selectable impedance, the controllable termination means comprising at least two impedances and selecting means for selecting an impedance to terminate the at least one electrical conductor,

characterized in that at least one electrical conductor is terminated with a selectable impedance which is selected by optimizing one or more parameters of the electrical signal conveyed by the at least one electrical conductor.

9. (Previously Presented) The arrangement as claimed in claim 8, characterized in that the one or more parameters comprise jitter of one or more electrical signals.

10. (Previously Presented) The arrangement as claimed in claim 8, characterized in that the one or more parameters comprise an amplitude of one or more electrical signals.

11. (Previously Presented) The arrangement as claimed in claim 8, characterized in that the one or more parameters comprise an overshoot of one or more electrical signals.

12. (Cancelled) .